

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060722\
 Data File : VY009166.D
 Acq On : 07 Jun 2022 16:05
 Operator : KP/MD
 Sample : N3189-04RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220428-AMENDED-COMPOSITE-HRE

Quant Time: Jun 08 07:58:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

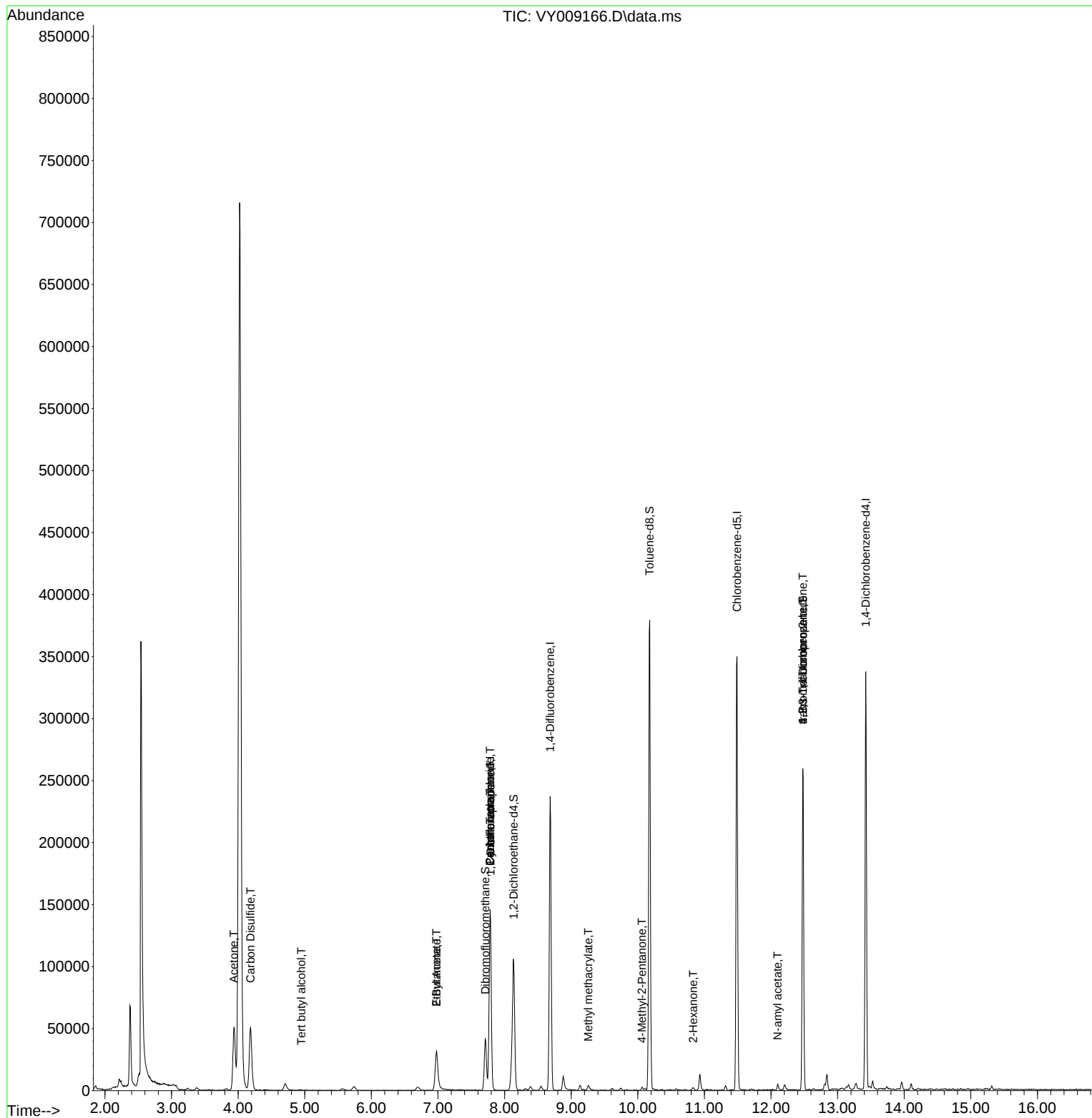
Internal Standards						
1) Pentafluorobenzene	7.783	168	109855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	197506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68354	60.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.920%	
35) Dibromofluoromethane	7.710	113	27653	22.516	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 45.040%#	
50) Toluene-d8	10.179	98	243022	53.636	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.280%	
62) 4-Bromofluorobenzene	12.477	95	68721	37.599	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	630	5.494	ug/l #	77
16) Acetone	3.936	43	87608	372.255	ug/l	95
17) Carbon Disulfide	4.186	76	97968	29.022	ug/l	98
20) Methylene Chloride	4.704	84	3695	Below Cal		83
25) 2-Butanone	6.978	43	21903	52.106	ug/l #	81
31) Cyclohexane	7.783	56	2962	1.339	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	9379	4.487	ug/l #	50
37) Ethyl Acetate	6.978	43	21903	20.202	ug/l #	76
38) Carbon Tetrachloride	7.783	117	10902	4.986	ug/l #	15
48) Methyl methacrylate	9.258	41	1208	1.342	ug/l #	51
51) 4-Methyl-2-Pentanone	10.063	43	1622	1.454	ug/l	94
59) 2-Hexanone	10.831	43	1607	2.104	ug/l	93
74) N-amyl acetate	12.099	43	2643	1.920	ug/l #	57
76) 1,2,3-Trichloropropane	12.477	75	39937	46.603	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39937	95.652	ug/l #	7

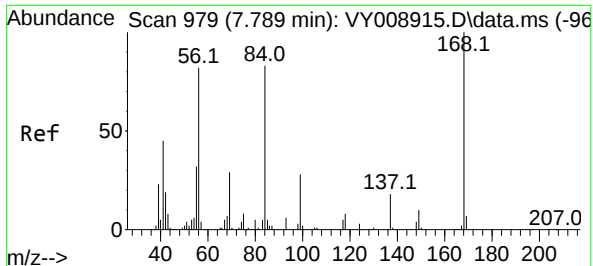
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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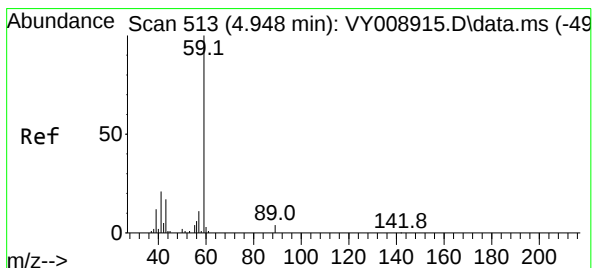
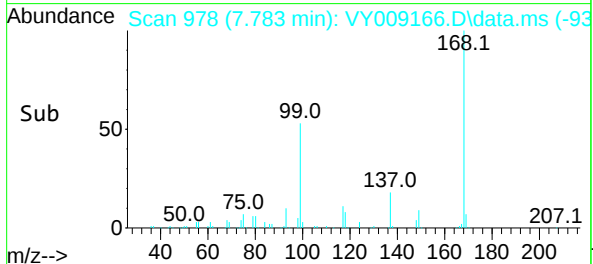
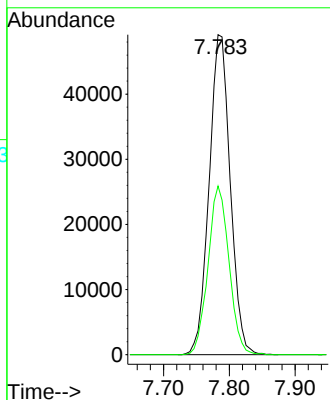
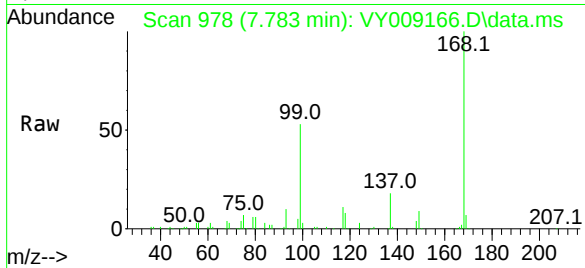




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

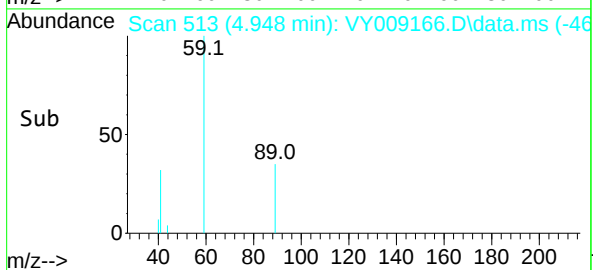
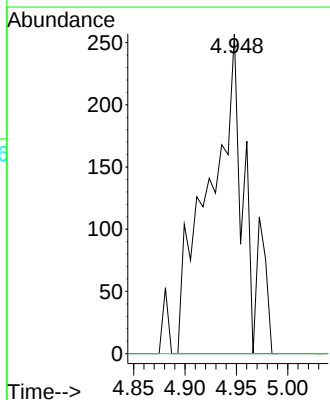
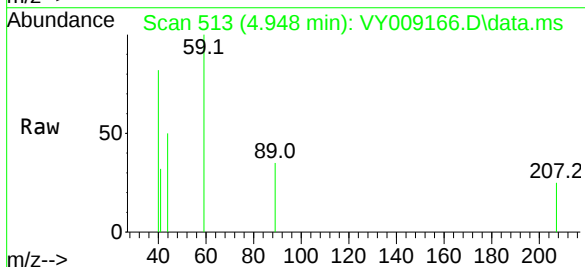
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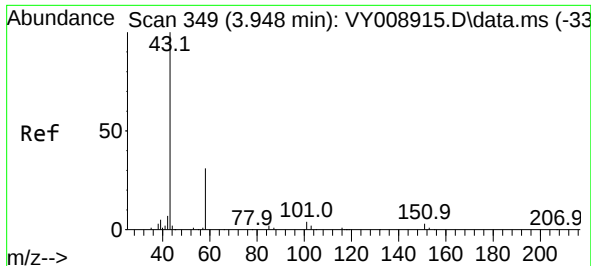
Tgt Ion:168 Resp: 109855
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#11
Tert butyl alcohol
Concen: 5.494 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 59 Resp: 630
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

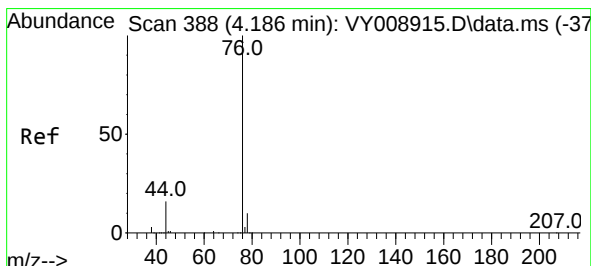
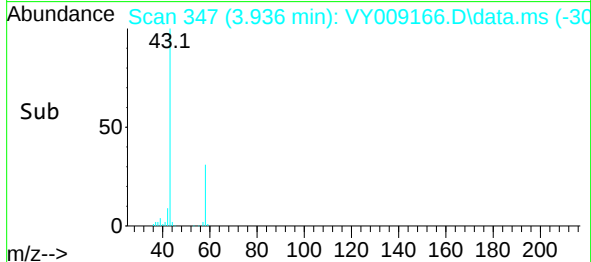
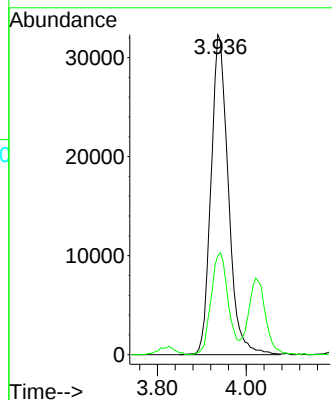
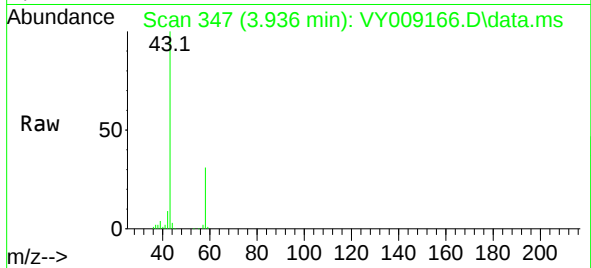




#16
Acetone
Concen: 372.255 ug/l
RT: 3.936 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

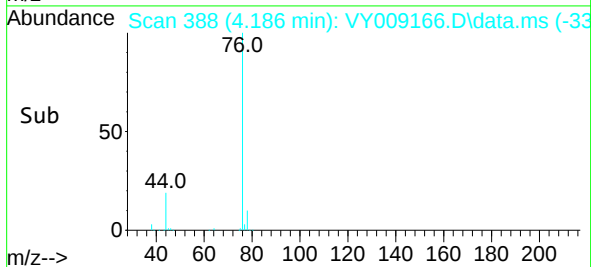
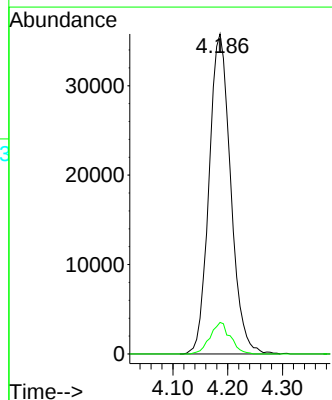
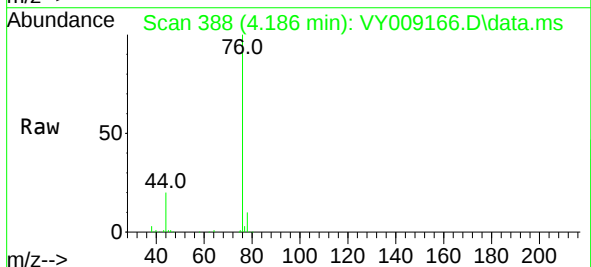
Instrument : MSVOA_Y
ClientSampleId : 20220428-AMENDED-COMPOSITE-HRE

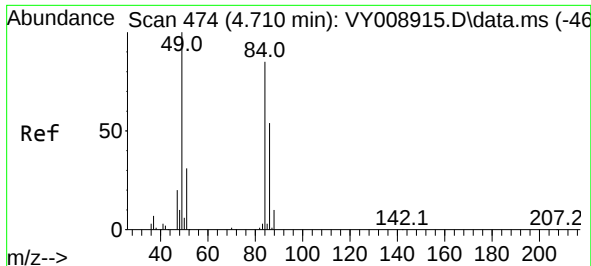
Tgt Ion: 43 Resp: 87608
Ion Ratio Lower Upper
43 100
58 30.2 22.0 33.0



#17
Carbon Disulfide
Concen: 29.022 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

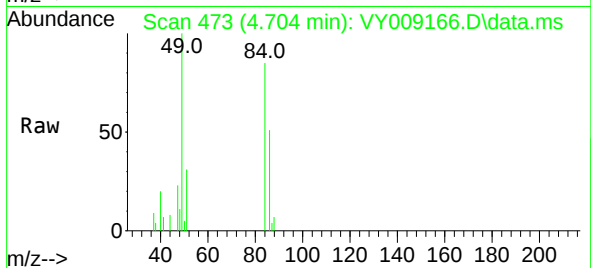
Tgt Ion: 76 Resp: 97968
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0





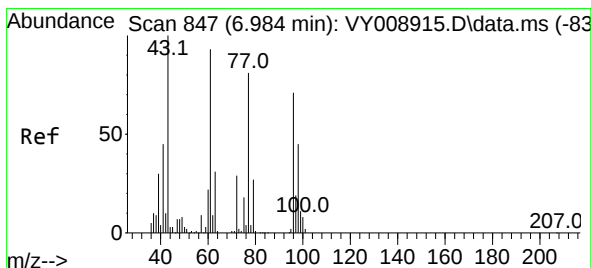
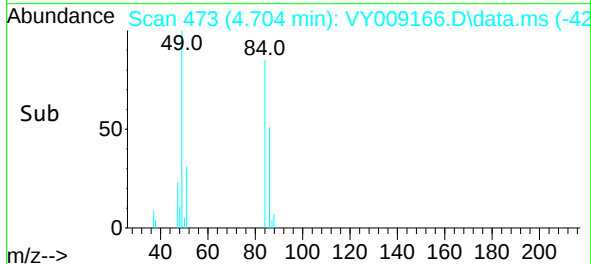
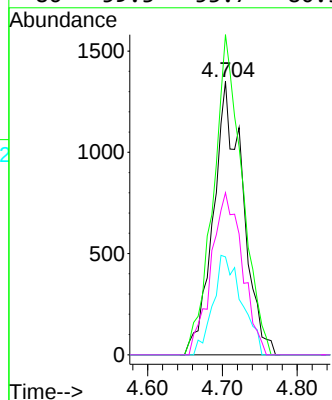
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Instrument :
MSVOA_Y
ClientSampleId :
20220428-AMENDED-COMPOSITE-HRE



Tgt Ion: 84 Resp: 3695

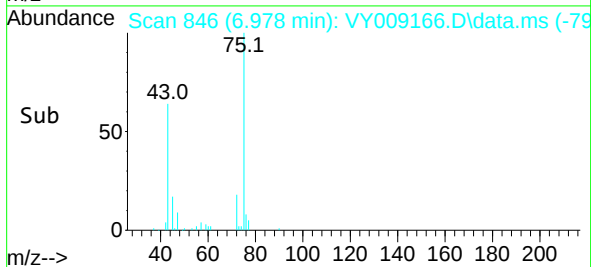
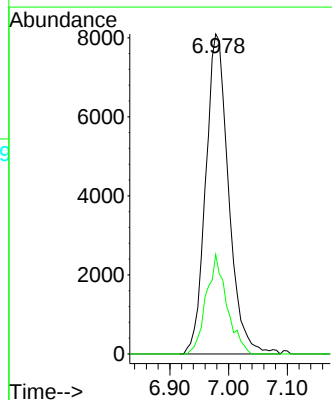
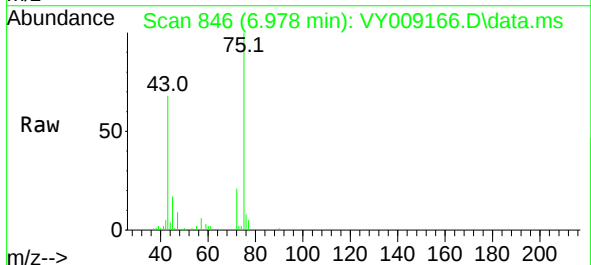
Ion	Ratio	Lower	Upper
84	100		
49	117.1	114.4	171.6
51	35.8	35.3	52.9
86	59.3	53.7	80.5

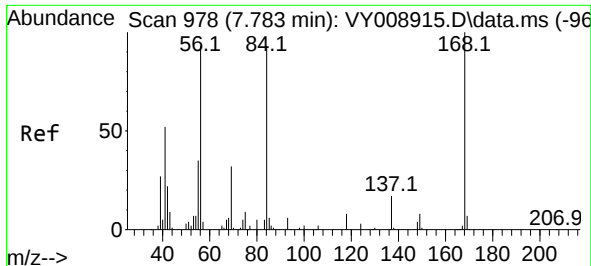


#25
2-Butanone
Concen: 52.106 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 43 Resp: 21903

Ion	Ratio	Lower	Upper
43	100		
72	31.0	17.7	26.5

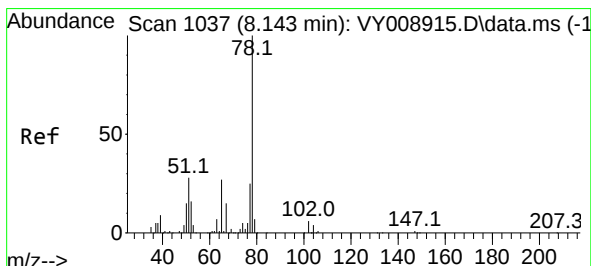
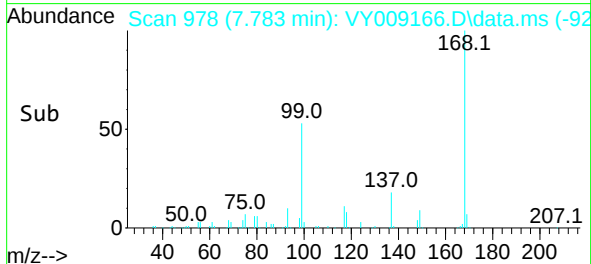
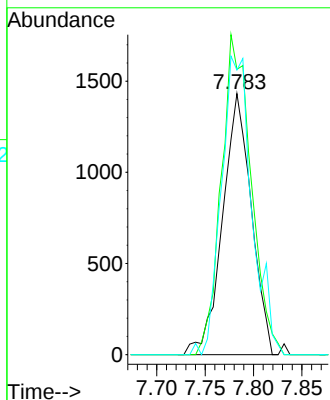
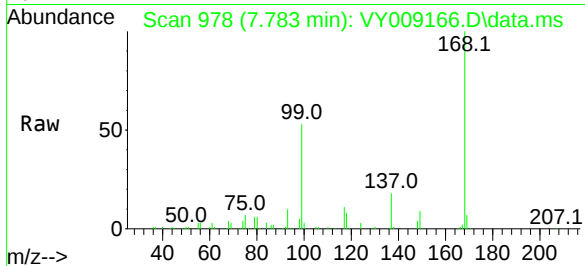




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

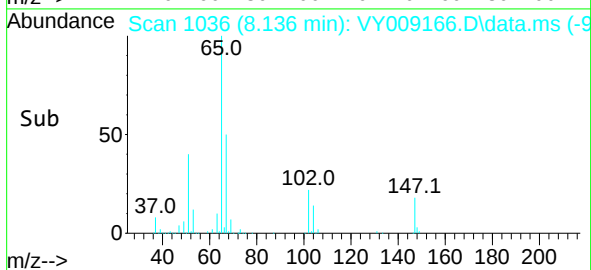
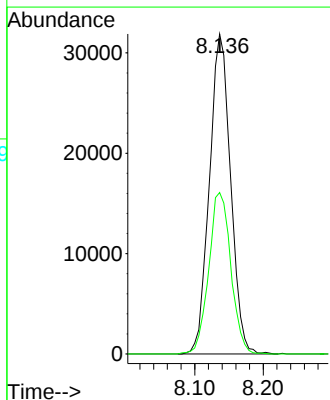
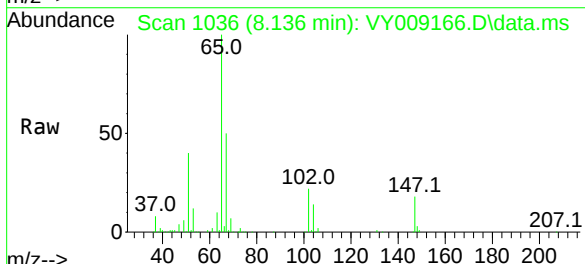
Instrument : MSVOA_Y
ClientSampleId : 20220428-AMENDED-COMPOSITE-HRE

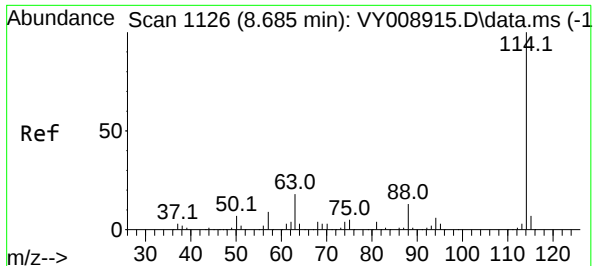
Tgt Ion: 56 Resp: 2962
Ion Ratio Lower Upper
56 100
69 109.3 26.7 40.1#
84 109.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.458 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 65 Resp: 68354
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4

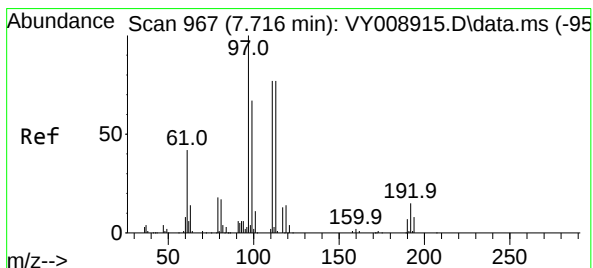
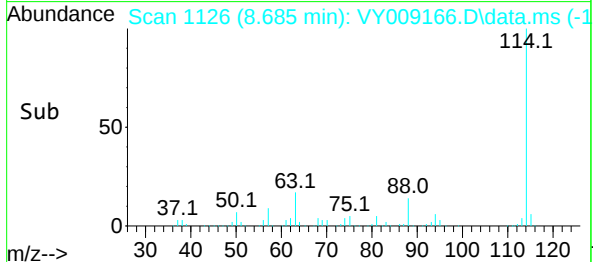
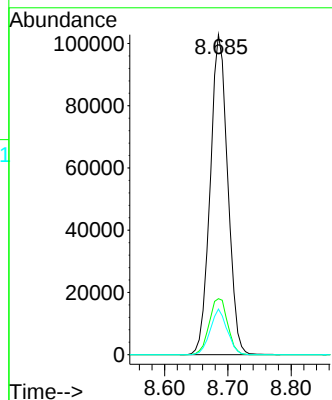
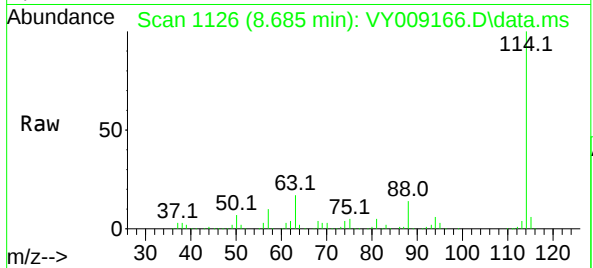




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

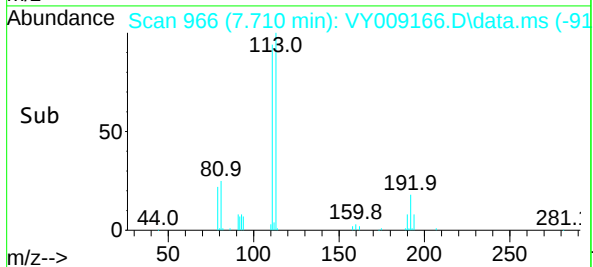
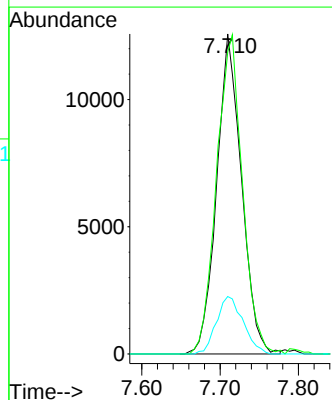
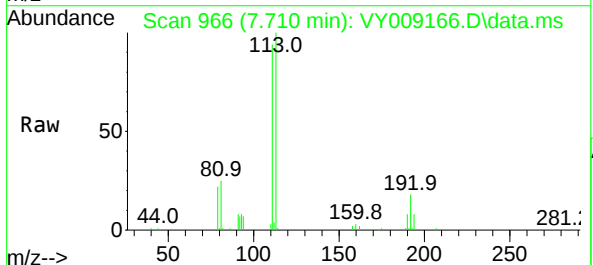
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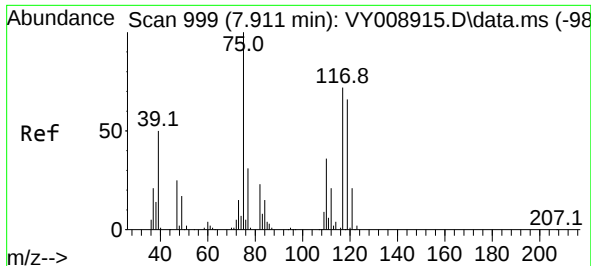
Tgt Ion:114 Resp: 197506
Ion Ratio Lower Upper
114 100
63 17.5 0.0 43.2
88 14.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 22.516 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

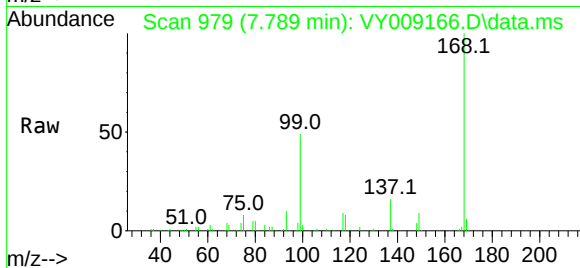
Tgt Ion:113 Resp: 27653
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 19.4 17.6 26.4



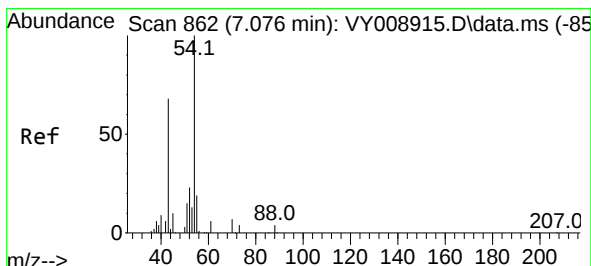
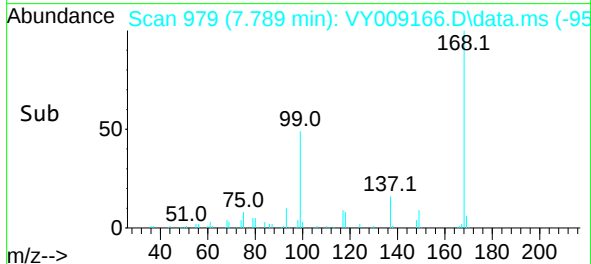
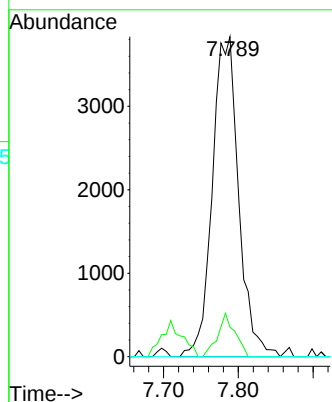


#36
1,1-Dichloropropene
Concen: 4.487 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Instrument :
MSVOA_Y
ClientSampleId :
20220428-AMENDED-COMPOSITE-HRE

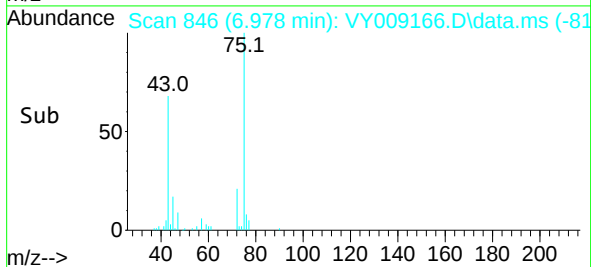
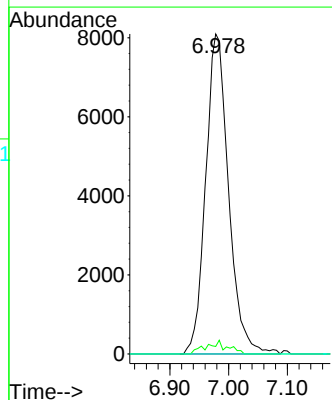
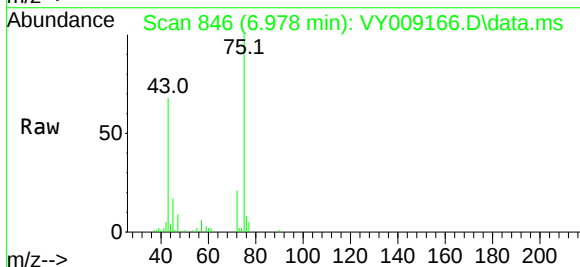


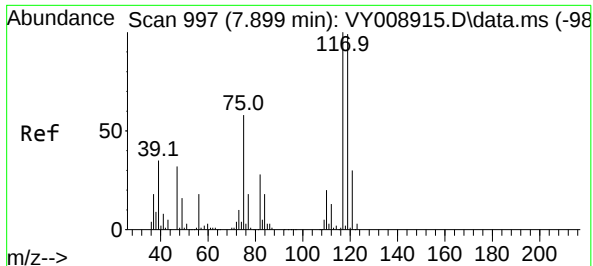
Tgt Ion: 75 Resp: 9379
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 20.202 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.098 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 43 Resp: 21903
Ion Ratio Lower Upper
43 100
61 3.3 9.7 14.5#
70 0.0 7.1 10.7#

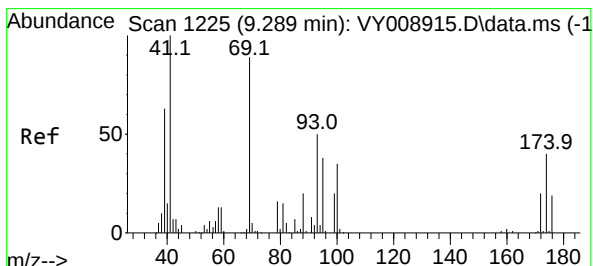
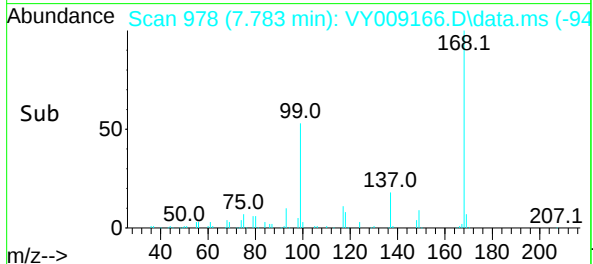
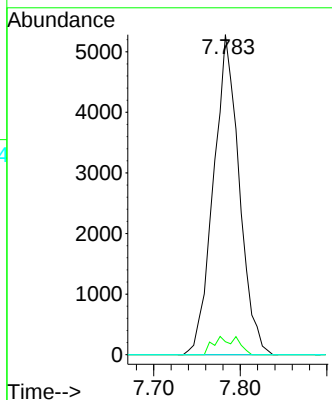
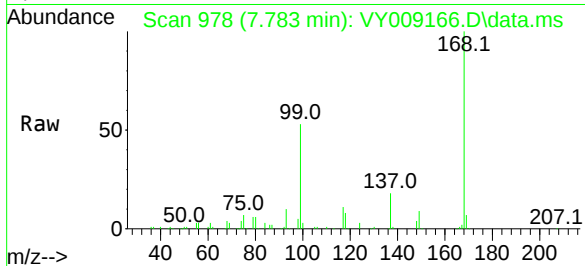




#38
Carbon Tetrachloride
Concen: 4.986 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

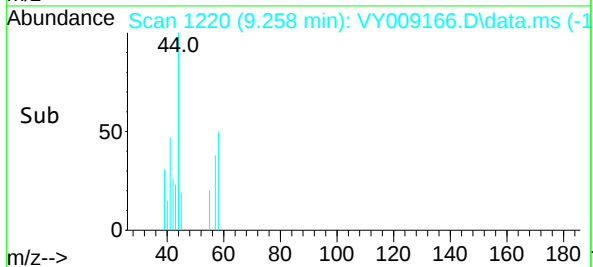
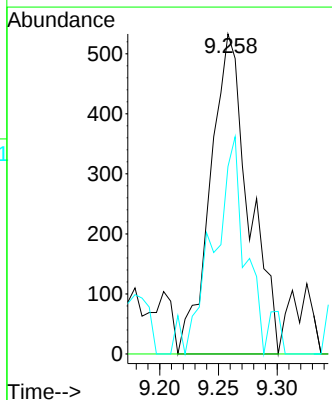
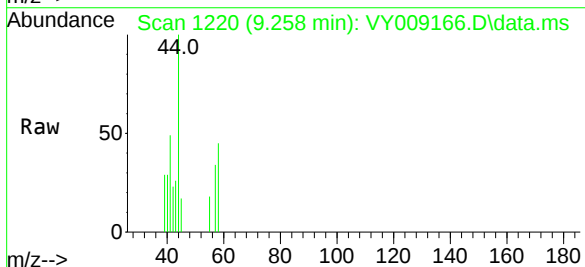
Instrument : MSVOA_Y
ClientSampleId : 20220428-AMENDED-COMPOSITE-HRE

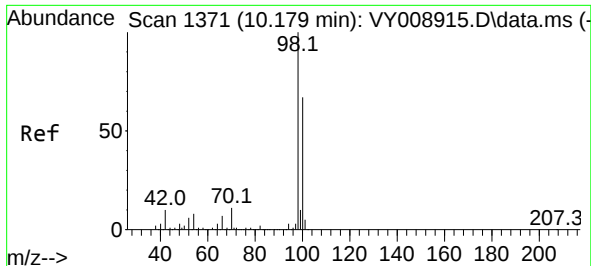
Tgt Ion:117 Resp: 10902
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 1.342 ug/l
RT: 9.258 min Scan# 1220
Delta R.T. -0.031 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 41 Resp: 1208
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.7 47.4 71.0

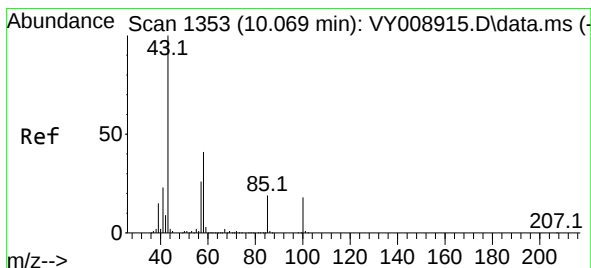
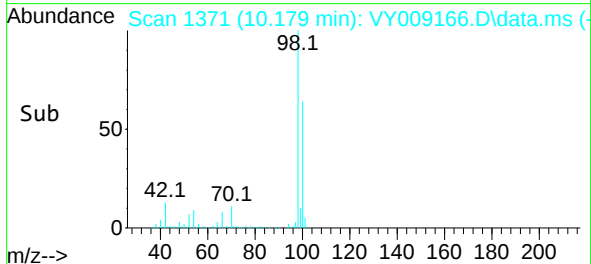
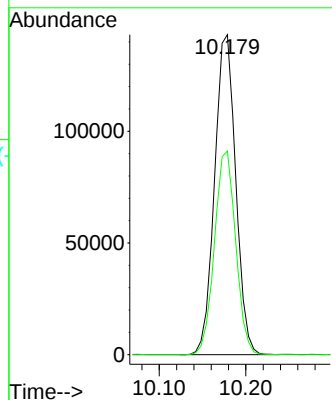
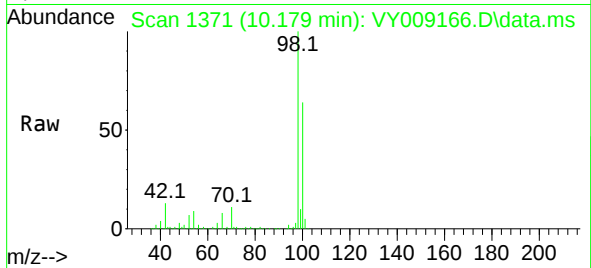




#50
Toluene-d8
Concen: 53.636 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

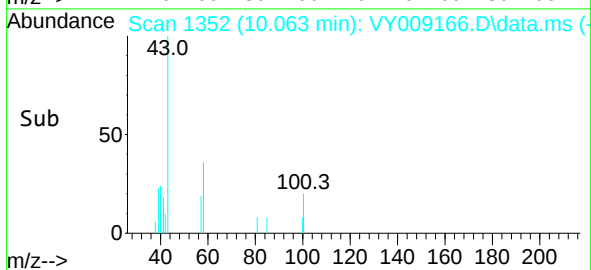
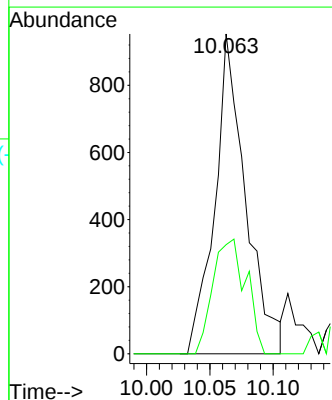
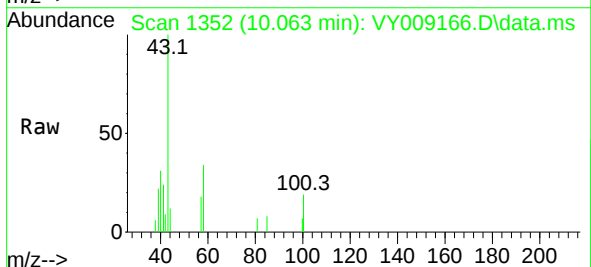
Instrument : MSVOA_Y
ClientSampleId : 20220428-AMENDED-COMPOSITE-HRE

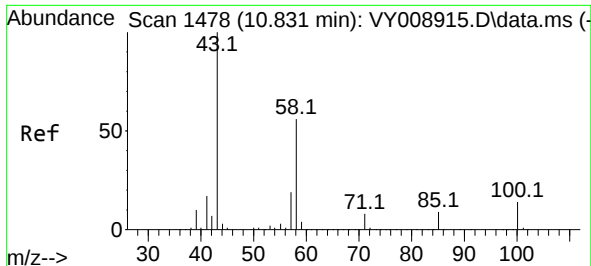
Tgt Ion: 98 Resp: 243022
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.454 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
58 38.5 28.1 42.1

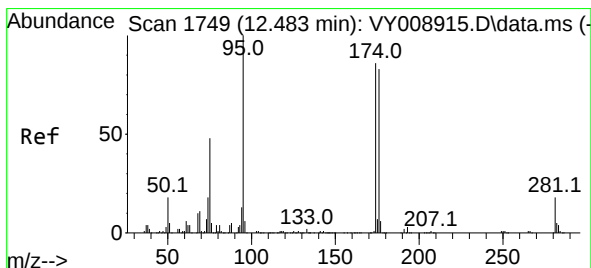
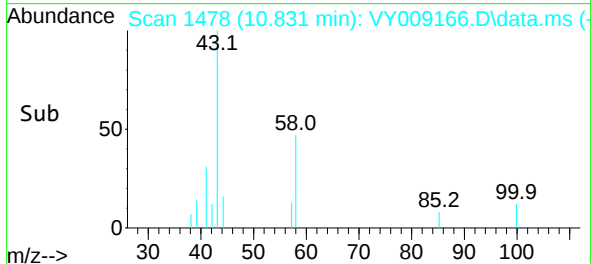
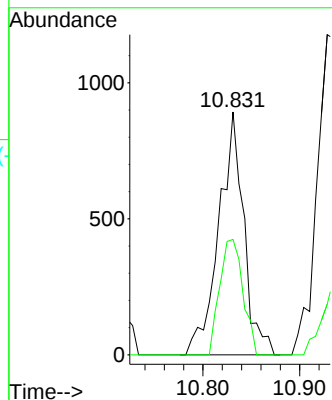
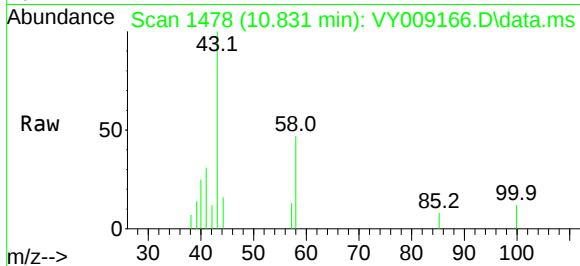




#59
2-Hexanone
Concen: 2.104 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

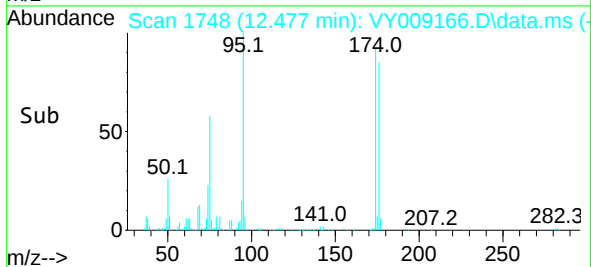
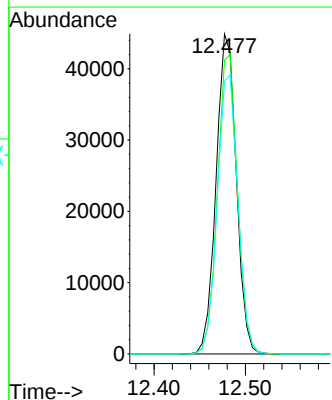
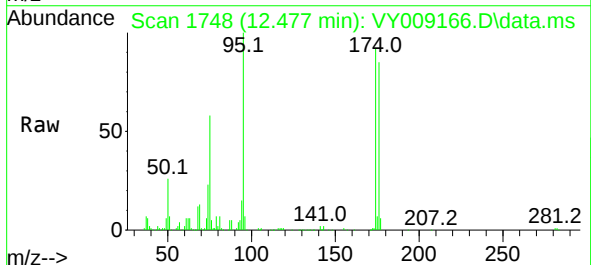
Instrument : MSVOA_Y
ClientSampleId : 20220428-AMENDED-COMPOSITE-HRE

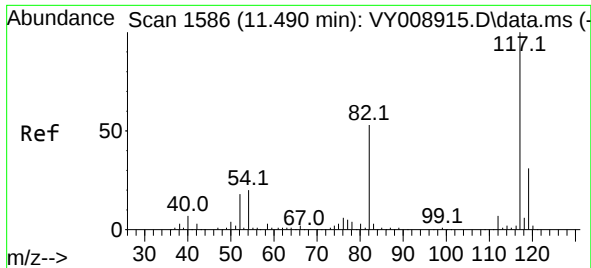
Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
58 43.8 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 37.599 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 95 Resp: 68721
Ion Ratio Lower Upper
95 100
174 93.6 0.0 177.0
176 89.2 0.0 175.8

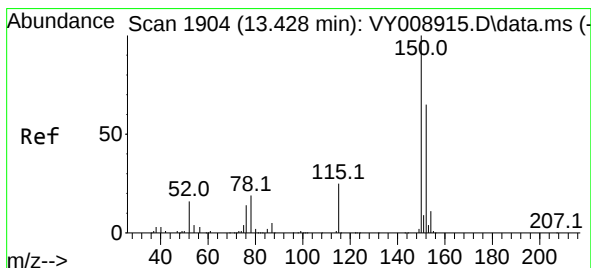
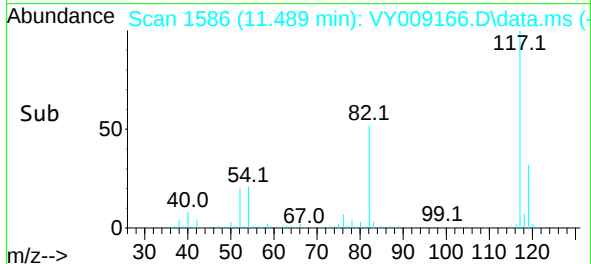
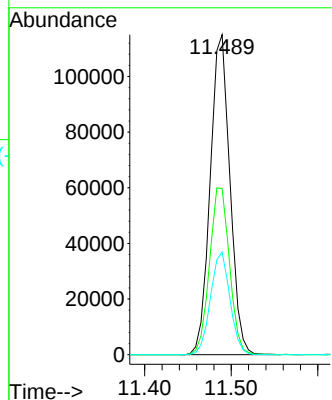
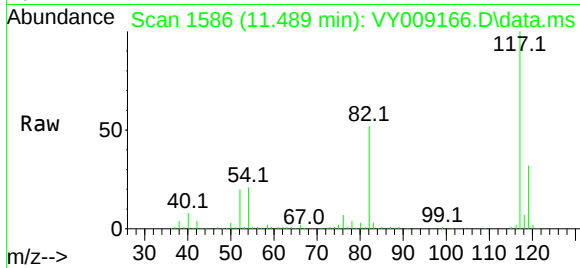




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

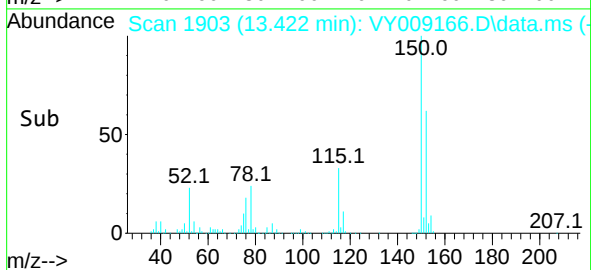
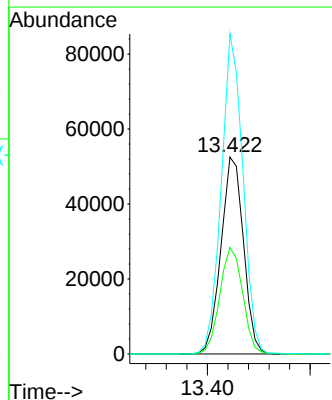
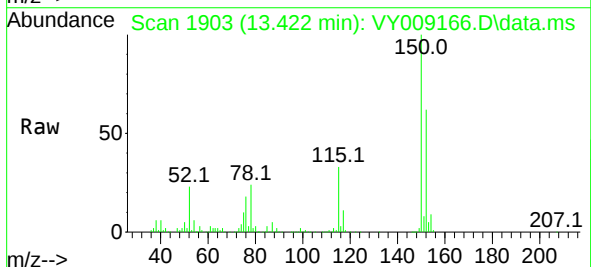
Instrument : MSVOA_Y
ClientSampleId : 20220428-AMENDED-COMPOSITE-HRE

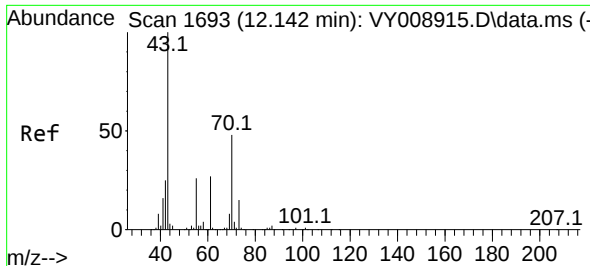
Tgt Ion:117 Resp: 181976
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion:152 Resp: 79801
Ion Ratio Lower Upper
152 100
115 54.8 28.2 84.7
150 155.6 0.0 347.6

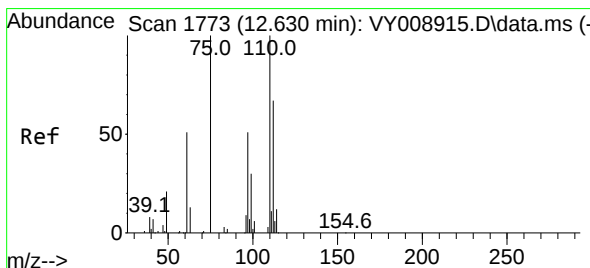
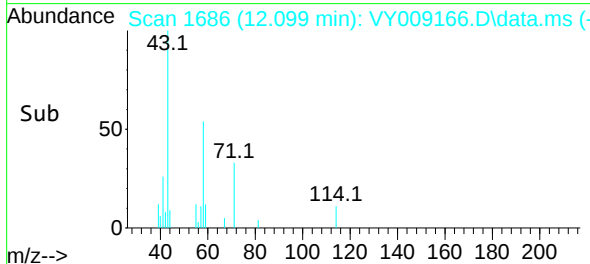
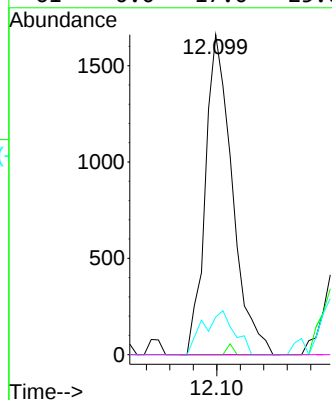
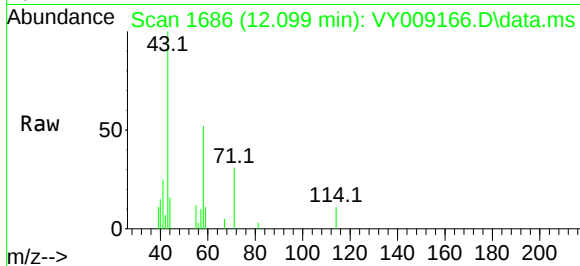




#74
N-ethyl acetate
Concen: 1.920 ug/l
RT: 12.099 min Scan# 1748
Delta R.T. -0.043 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

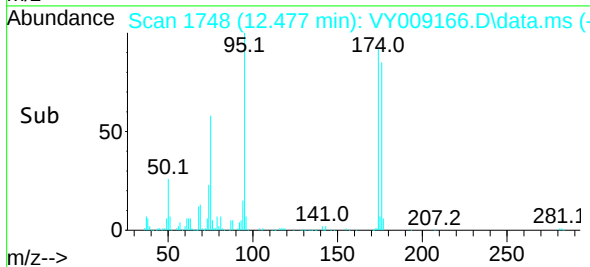
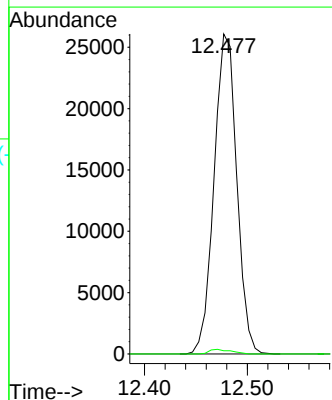
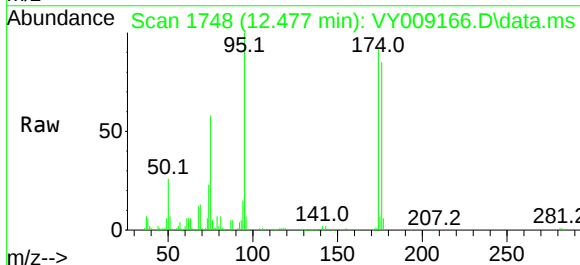
Instrument : MSVOA_Y
ClientSampleId : 20220428-AMENDED-COMPOSITE-HRE

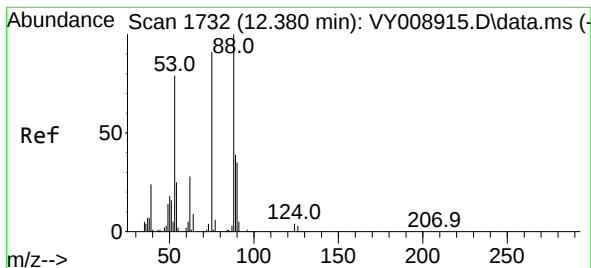
Tgt Ion: 43	Resp: 2643
Ion Ratio	Lower Upper
43 100	
70 0.0	28.7 43.1#
55 15.8	17.3 25.9#
61 0.0	17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 46.603 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009166.D
Acq: 07 Jun 2022 16:05

Tgt Ion: 75	Resp: 39937
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 95.652 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.097 min

Lab File: VY009166.D

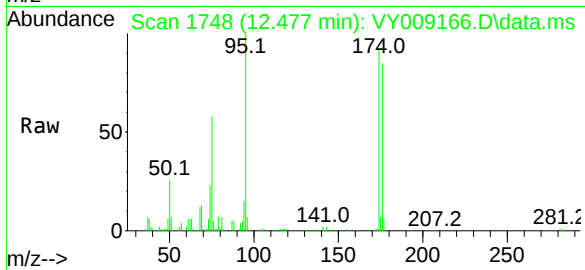
Acq: 07 Jun 2022 16:05

Instrument :

MSVOA_Y

ClientSampleId :

20220428-AMENDED-COMPOSITE-HRE



Tgt Ion: 75 Resp: 39937

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

